

Prospectus of the University of South Carolina. 1866. Columbia, S. C. June 20, 1866.

PROSPECTUS OF THE UNIVERSITY OF SOUTH CAROLINA. 1866.

The University consists of eight distinct and independent Schools. Students are allowed to choose the departments which they wish to pursue, provided they enter at least three Schools. In certain cases, however, students will be allowed to enter less than three Schools.

During the present year, there will be no examinations or other requirements for admission, except that the applicant must be at least fifteen years of age; but, in order to insure uniformity of preparation in certain departments, a preparatory course has been prescribed, and after *this year*, applicants for these departments (under eighteen years of age) will be required to bring a satisfactory certificate of proficiency, or to stand an examination. For applicants over eighteen years of age, no examination or certificate will be required during the next year.

In all the different Schools the method of instruction is by means of lectures and the study of text-books, accompanied in either case by rigid daily examinations.

I.

School of History, Political Philosophy, and Political Economy.

PROF. R. W. BARNWELL, LL. D., *Chairman of Faculty*.

REQUIREMENTS FOR ADMISSION.

Applicants for this School are expected to have studied *Ancient and Modern Geography*, and will find it much to their advantage to have also studied some elementary work on History.

COURSE OF STUDY.

JUNIOR CLASS.

History, ancient and modern, considered chiefly in its elucidation of the spirit, institutions, and civilisation of nations.

Text-book. Weber's Outlines of Universal History.

Recommended for reference: Guizot's Lectures on Civilisation.

SENIOR CLASS.

Political Philosophy and Political Economy.

Text-books. Paley's Political Philosophy, and Say's Political Economy.

Recommended for reference: Montesquieu's Spirit of Laws, and Wayland's Elements of Political Economy.

II.

School of Ancient Languages and Literature.

PROF. W. J. RIVERS.

REQUIREMENTS FOR ADMISSION.

Applicants for this School are expected to have completed the following studies, or their equivalents. They may enter on one or both Languages.

Latin. Latin Grammar, including Prosody; Cæsar's Commentaries; Sallust's Conspiracy of Catiline; Virgil's Bucolics, and six books of Æneid; Cicero's four Orations against Catiline, Pro Lege Manilia, and Pro Archia Poeta.

Greek. Greek Grammar, including Prosody; Jacob's Greek Reader; Homer's Iliad, three books; Xenophon's Anabasis, six books.

It is recommended also that the applicant should read attentively Eschenberg's or Bojesen's Grecian and Roman Antiquities, and Mitchell's Ancient Geography.

COURSE OF STUDIES.

JUNIOR CLASS.

Latin. Arnold's Latin Prose Composition. Livy, twenty-first book. Horace, except the Art of Poetry. Tacitus' Germany and Agricola. Juvenal's Select Satires.

Greek. Kuhner's Exercises in Greek Syntax, (Elementary Grammar.) Homer's Iliad, ten books, selected. Herodotus and Thucydides, selections from Felton's Greek Historians. Xenophon's Memorabilia. Demosthenes de Corona.

SENIOR CLASS.

Latin. Latin Composition. Selections from Cicero's Philosophical Treatises. Horace's Ars Poetica. A Drama of Plautus, and one of Terence.

Greek. Greek Composition. Selections from Plato's Dialogues. A Drama of Æschylus, one of Sophocles, and one of Euripides. A Comedy of Aristophanes. Selections from Lyric Poets.

In both the Junior and Senior years, private collateral studies are prescribed, including portions of the authors named, or of others.

In use: Freund's Latin Lexicon; Liddell and Scott's Greek Lexicon; Zumpt's Latin Grammar; Hadley's Greek Grammar, in connexion with the simpler ones the students may have been accustomed to use.

III.

School of Modern Languages and Literature.

Chair Vacant.

IV.

School of Rhetoric, Criticism, Elocution, and English Language & Literature.

PROF. M. LABORDE.

COURSE OF STUDY.

JUNIOR CLASS.

History and Philosophy of English Language. Rhetoric. Verbal Criticism. Composition.

SENIOR CLASS.

Outline of English Literature. Notices of distinguished Authors, with Criticisms of their Works.

Text-books. Whately's Rhetoric, and Jamieson's Grammar of Rhetoric and Polite Literature.

Recommended for reference: Spalding's History of English Literature, Shaw's Outlines, Hallam's Introduction to the Literature of Europe, Campbell's Philosophy of Rhetoric, Latham's or Fowler's English Language.

It is not expected to give a course of lectures which will present a full history of Literature, taking the term even in its most restricted sense. The subject will be considered, however, in respect to its grand epochs, and enough will be said, it is hoped, to distinguish each epoch and give its true character and genius. To this end, leading authors, *representative men*, as they may be called, will be introduced.

The subject of Arguments, or Conviction, as it is styled in Whately's Work on Rhetoric, will form a part of the Senior course.

Very special attention will be paid to English Composition and Criticism.

V.

School of Mental and Moral Philosophy, Sacred Literature, and Evidences of Christianity.

PROF. J. L. REYNOLDS, D. D., *Chaplain*.

COURSE OF STUDY.

JUNIOR CLASS.

1. Logic—the science of the laws of thought—is studied as the introduction to the subsequent studies, and underlying them; and is treated as General, (and this under its two-fold aspect of Pure and Applied,) and Special. 2. Logic—applied to Evidences of Christianity. Analysis of Paley's Evidences. 3. Mental Philosophy, begun.

SENIOR CLASS.

1. Mental Philosophy, finished; Lectures on the History of the Science. 2. Moral Philosophy; Lectures on the History of the Science. 3. Butler's Analogy analysed, and the nature, extent, and validity of

the argument from analogy stated and applied to Butler's Work. 4. Lectures on the recent forms of scepticism, and the relations which they sustain to metaphysical and moral speculation.

Text-books. Whately's Logic; Paley's Evidences; Hamilton's Metaphysics; Butler's Analogy; Paley's Moral Philosophy; Butler's Sermons on Human Nature; Alexander's Moral Science.

VI.

School of Mathematics, Civil and Military Engineering and Construction.

PROF. E. P. ALEXANDER.

REQUIREMENTS OF ADMISSION.

Arithmetic in all its branches, including the Extraction of Square and Cube Roots. Algebra, through Equations of the second Degree.

COURSE FOR STUDY.

JUNIOR CLASS IN MATHEMATICS.

Algebra, from Equations of second Degree to general Theory of Equations and Logarithms, inclusive. Geometry. Plane and Spherical Trigonometry. Surveying and use of Instruments.

SENIOR CLASS IN MATHEMATICS.

Descriptive Geometry. Shades, Shadows, and Perspective. Analytical Geometry. Calculus. Mathematical Drawing.

Text-books. Loomis's Algebra; Loomis's Geometry; Loomis's Trigonometry; Davies' Descriptive Geometry; Davies' Shades and Shadows; Church's Analytical Geometry; Church's Calculus.

CLASS IN ENGINEERING.

Civil Engineering; Architecture; Stone Cutting; Mining; Engineering Drawing.

Lectures on Field and Permanent Fortifications.

Text-book. Mahan's Civil Engineering.

Recommended for reference: Rankine's Applied Mechanics; Moseley's Engineering.

VII.

School of Natural and Mechanical Philosophy and Astronomy.

PROF. JOHN LECONTE.

There are three classes in this School, viz., two in Natural Philosophy, and one in Astronomy.

REQUIREMENTS FOR ADMISSION.

The applicant must have a knowledge of Algebra and Geometry. It is necessary, also, that he should acquire a knowledge of Plane Trigonometry before taking up Mechanics, which, for this reason, is introduced, as seen below, in the latter part of the Junior year.

COURSE OF STUDY.

JUNIOR CLASS IN NATURAL PHILOSOPHY.

The Course of Lectures in this Class embraces Heat, including theory of Steam Engine and Radiant Heat; Electricity, Magnetism, including Electro-magnetism and Magneto-electricity. In the latter part of the course, Mechanics proper is commenced, embracing Laws of Motion, Laws of Gravity, Falling Bodies, Composition and Resolution of Forces and Motion, Centre of Gravity.

SENIOR CLASS IN NATURAL PHILOSOPHY.

The Course of Lectures in this Class will embrace Mechanics continued, including Machines, and Theory of Machinery, Friction, Motion on Planes, Pendulum, and Projectiles; Hydrostatics; Hydraulics; Pneumatics; Meteorology; Acoustics; and Optics.

Text-books. Fownes' Chemistry, (Heat); Olmsted's Natural Philosophy, (8 vo. ed.)

Recommended for reference: Silliman's Principles of Physics. Lardner's Handbooks of Natural Philosophy.

CLASS IN ASTRONOMY.

The Course of Lectures in this Class embraces the Principles of Astronomy, and the Theory of Astronomical Instruments.

Text-book. Olmsted's Astronomy.

Recommended for reference: Herschel's Outlines of Astronomy, and Norton's Astronomy.

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VIII.

School of Chemistry, Pharmacy, Mineralogy, and Geology.

PROF. JOSEPH LECONTE.

There will be three classes in this School, viz., two in Chemistry and Pharmacy, and one in Mineralogy and Geology.

REQUIREMENTS FOR ADMISSION.

The applicant must have good elementary acquaintance with Arithmetic and Algebra. He will find it much to his advantage, also, to have some acquaintance with Physics.

COURSE OF STUDY.

JUNIOR CLASS IN CHEMISTRY AND PHARMACY.

The Course of Lectures in this Class embraces Chemistry of the Non-metallic Elements; Principles of Combustion and Illumination; Chemical Philosophy; Chemistry of Voltaic Battery; and Chemistry of the Metals of the Alkalis and Earths.

SENIOR CLASS IN CHEMISTRY AND PHARMACY.

The Course of Lectures in this Class embraces the Chemistry of the metals proper, with its applications to Metallurgy; Organic Chemistry and Agricultural Chemistry.

Pharmacy will be taught in connexion with Chemistry, special attention being given to the practical applications of Chemistry to this subject.

Text-books. Fownes' Chemistry. Stockhardt's Agricultural Chemistry.

Recommended for reference: Regnault's Chemistry; Graham's Chemistry; Johnson's Agricultural Chemistry; and Parrish's Pharmacy.

CLASS IN MINERALOGY AND GEOLOGY.

The Course of Lectures in this Class embraces, 1. Physical and Chemical Geology, or the study of Agencies now in operation modifying the surface of the earth. 2. Structural Geology, including the structure of the earth, Classification of Rocks, Formation of mountain chains and valleys, Theory of metamorphism of rocks and of mineral veins. 3. Historical Geology, or history of the earth, including a description of the rocks and the fauna and flora of each successive epoch, the gradual evolution of continental forms, and the laws of distribution of organisms in Time.

In the departments both of Chemistry and Geology, special attention will be devoted to the practical application of these sciences to Metallurgy, Mining, and Agriculture.

Text-book. Dana's Text-book of Geology.

Recommended for reference: Dana's Manual of Geology; Lyell's Principles of Geology; and Lyell's Elements of Geology.

State Students.

A majority of the members of the General Assembly from each Election District may appoint one student, who is entitled to enter any three Schools which he may select, without charge for Matriculation, Tuition, Room-rent, or use of Library.

Examinations.

In order to test the proficiency of the students, general examinations are introduced at stated periods during and at the end of the course. These are conducted always in writing.

Terms and Vacation.

The session consists of two terms. The first term commences on the first Monday in January, and continues to the first of July.

Then follows a vacation of three months, including the months of July, August, and September.

The second term opens on the first Monday in October, and continues to the end of the year.

Expenses.

University Fees, payable in advance for the year, and not abated for late entrance:

Matriculation Fee \$ 5 00

Library " 15 00

Room-rent " 20 00

Tuition for each of three or more Schools, 25 00

" " " two " 35 00

" " " one School, 50 00

Board, (at Steward's Hall,) payable quarterly in advance, *per week*, \$5 00

" (at licensed Boarding Houses in the city,) *per week*, \$5 to 8 00

Fuel, per cord, 6 00

Washing, per month, \$2 to 2 50

By order of the Faculty.

C. BRUCE WALKER, *Secretary of the Faculty*.

Columbia, S. C., June 20, 1866.

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